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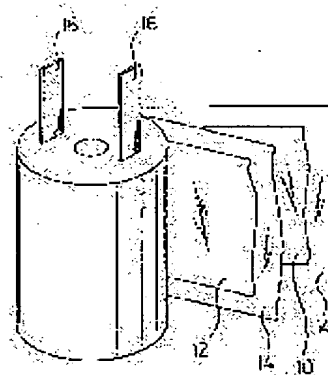
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(54) SOLID ELECTROLYTIC CAPACITOR

(57)Abstract:

PURPOSE: To obtain glass paper which is large in strength and favorable in product properties so as to offer a solid electrolytic capacitor which is favorable in mass productivity and high frequency properties by blending at least two or more kinds of fine diameter fibers 10-90 parts of 5-8,, and large diameter fiber 90-10 parts of 9-15,, so as to make glass paper.

CONSTITUTION: A separator consisting of glass paper is held between an anode foil, which has an surface oxide film by electrolytic oxidation, and a collecting cathode foil, and the glass paper is constituted by blending at least two or more kinds of fine diameter fiber 10-90 parts of 5-8,, and large diameter fiber 90-10 part of 9-15,. In the lengths of the fine and large diameter fibers of the glass paper are both 5mm-25mm, the basis weight is 5-30g/m², the density is 0.05-0.25g/cm², and the thickness is 0.05-0.25mm, they are suitable. Though two or more kinds of fine diameter fibers and large diameter fibers are blended and a binder is added for adjustment, if the binder is 5-30% polyvinyl alcohol, it is suitable. For a solid electrolytic capacitor, the glass paper 14 is held between the anode foil 10 and the collecting cathode foil 12, and is soaked in liquid-form manganese nitrate, and then it is baked.



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